

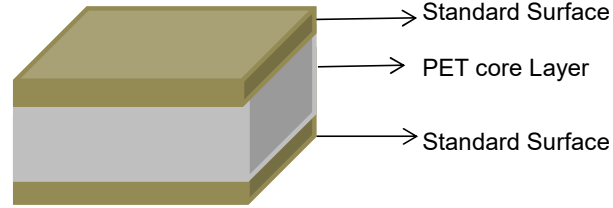


# Technical Data Sheet

## ARYAFILM - A490



ARYAFILM A490 is both side plain Matte polyester film, this film is suitable for label application & flexible packaging applications.



Sr. No.	Properties	Unit	Test Method	Target	Minimum	Maximum	
<b>General</b>							
1	Thickness	Micron	JBF Method	50.0	49.00	51.00	
		Gauge		200.00	196.00	204.00	
2	Yield	M <sup>2</sup> /Kg	JBF Method	14.29	14.01	14.58	
3	Density	gm/cc	ASTM D 1505	1.395			
4	Roll width	mm	JBF Method	- 0 , + 3			
<b>Mechanical</b>							
1	Tensile Strength at break	MD/TD	Kg/cm <sup>2</sup> (Kpsi)	ASTM D 882	1800	1600	2000
					25.6	22.8	28.4
2	Elongation at break	MD	%	ASTM D 882	140	100	180
		TD			130	90	170
3	Co-efficient of friction (One to Other side)	Static	--	ASTM D 1894	0.35	0.25	0.45
		Dynamic			0.30	0.20	0.40
<b>Thermal</b>							
1	Shrinkage @ 150 <sup>o</sup> C/30'	MD	%	ASTM D 1204	1.4	1.0	1.8
		TD			0.4	0.0	0.8
2	Melting Point	°C	DSC	252	250	255	
<b>Optical</b>							
1	Haze	%	ASTM D 1003	83.0	76.0	90.0	
2	Transmittance	%	ASTM D 1003	80.0	77.0	83.0	
3	Gloss (60°)		ASTM D 2457	45.0	38.0	52.0	
<b>Surface treatment level</b>							
1	Both side	Dyne/cm	ASTM D 2578	44	42	46	

MD = Machine Direction, TD = Transverse Direction

Storage & Handling: ARYA FILM need to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme of humidity and heat. It is recommended to store below 40°C in dry places in original packing & shelf life of above product is One year from date of Invoice.

**Food Contact:** ARYA FILM complies with EU10/2011 and US FDA regulations, Specific document and MSDS are available on request.

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